

REMARKS

This is a full and timely response to the Decision on Appeal mailed April 28, 2005.

Upon entry of the amendments in this response, claims 1 – 16 and 20 - 24 remain pending. In particular, Applicants have amended claims 1 – 12 and 15, and have added claims 20 - 24.

Reconsideration and allowance of the application and presently pending claims are respectfully requested.

Rejections under 35 U.S.C. §102

The Decision on Appeal affirms the rejection of claim 1 under 35 U.S.C. §102(b) as being anticipated by *Garcia* (U.S. Patent 5,510,832), hereinafter “*Garcia*.” Additionally, the final Office Action indicates that claims 1 – 16 stand rejected under 35 U.S.C. §102(b) as being anticipated by *Garcia*. Applicants respectfully traverse the rejections of the final Office Action.

With respect to *Garcia*, *Garcia* generally involves a synthesized stereoscopic imaging system and method that involves the use of a single, two-dimensional, monocular source video signal that is converted to an active stereo video signal. For instance, *Garcia* discloses:

This is accomplished by methods including the steps of: acquiring and digitization of a two-dimensional single monocular source video signal (*e.g.*, standard PAS, NTSC, or equivalent video); digital electronic implementation and improvements to the DeepVision process for enhancing depth information; ***production of two channels of electronically processed video, one alternatively to be delivered to the right eye for viewing, the other to be subsequently delivered to the left eye***; converting the electronically processed video signals to a frame- or field-multiplexed stereoscopic display signal; displaying the multiplexed video signal in human-viewable form on a single-screen video display; ***viewing the video display with glasses or the like adapted for alternate left-eye, right-eye viewing***; and ***controlling alternate left-eye, right-eye shuttering of the glasses in synchronism with display of the frame-or field-multiplexed video signal***.

(*Garcia* at column 6, lines 17 – 32). (Emphasis Added).

As set forth above, *Garcia*'s disclosure of the "production of two channels of electronically processed video, one alternately to be delivered to the right eye for viewing, the other to be subsequently delivered to the left eye," meets the definition of "active stereo." Notably, the Decision on Appeal appears to accept this contention.

With respect to the pending claims, Applicants have amended independent claims 1, 11 and 15 to patentably distinguish over *Garcia*. In particular, Applicants have amended claim 1 to recite:

1. A method for providing passive stereo images comprising:
receiving active stereo video data containing right channel pixel data and left channel pixel data corresponding to an image to be rendered, the active stereo video data being configured to enable alternate output of corresponding frames of the right channel pixel data and the left channel pixel data for displaying an image to be rendered in active stereo;
converting the active stereo video data into passive stereo video data;
and
displaying the image to be rendered in passive stereo using the passive stereo video data.

(Emphasis Added).

Applicants respectfully asserts that *Garcia* is legally deficient for the purpose of anticipating claim 1. Specifically, Applicants respectfully assert that *Garcia* does not teach or otherwise disclose at least the features/limitations emphasized above in claim 1. Therefore, Applicants respectfully assert that claim 1 is in condition for allowance.

Since claims 2 - 10 are dependent claims that incorporate all the features/limitations of claim 1, Applicants respectfully assert that these claims also are in condition for allowance. Additionally, these claims recite other limitations that can serve as an independent basis for patentability.

With respect to claim 11, Applicants have amended that claim to recite:

11. A device for providing passive stereo images comprising:
means for receiving active stereo video data containing right channel pixel data and left channel pixel data corresponding to an image to be rendered, the active stereo video data being configured to enable alternate output of corresponding frames of the right channel pixel data and the left channel pixel data for displaying an image to be rendered in active stereo;
means for converting the active stereo video data into passive stereo video data.

(Emphasis Added).

Applicants respectfully asserts that *Garcia* is legally deficient for the purpose of anticipating claim 11. Specifically, Applicants respectfully assert that *Garcia* does not teach or otherwise disclose at least the features/limitations emphasized above in claim 11. Therefore, Applicants respectfully assert that claim 11 is in condition for allowance.

Since claims 12 - 14 are dependent claims that incorporate all the features/limitations of claim 11, Applicants respectfully assert that these claims also are in condition for allowance. Additionally, these claims recite other limitations that can serve as an independent basis for patentability.

With respect to claim 15, Applicants have amended that claim to recite:

15. A device for providing passive stereo images comprising:
logic configured to convert active stereo video data into passive stereo video data, the active stereo video data containing right channel pixel data and left channel pixel data, the active stereo video data being configured to enable alternate output of corresponding frames of the right channel pixel data and the left channel pixel data for displaying an image to be rendered in active stereo.

(Emphasis Added).

Applicants respectfully asserts that *Garcia* is legally deficient for the purpose of anticipating claim 15. Specifically, Applicants respectfully assert that *Garcia* does not teach or otherwise disclose at least the features/limitations emphasized above in claim 15. Therefore, Applicants respectfully assert that claim 15 is in condition for allowance.

Since claim 16 is a dependent claim that incorporates all the features/limitations of claim 15, Applicants respectfully assert that this claim also is in condition for allowance.

Additionally, this claim recites other limitations that can serve as an independent basis for patentability.

Newly Added Claims

Upon entry of the amendments in this response, Applicants have added new claims 20 – 24. Applicants respectfully assert that these claims are in condition for allowance. In particular, claim 20 is a dependent claim that incorporates all the features/limitations of claim 11, the allowability of which is described above. With respect to claim 21, that claim recites:

21. A device for providing passive stereo images comprising:
a graphics processor operative to convert active stereo video data into a passive stereo video data, said graphics processor comprising:
an input mechanism configured to receive the active stereo video data, the active stereo video data containing right channel pixel data and left channel pixel data, the active stereo video data being configured to enable alternate output of corresponding frames of the right channel pixel data and the left channel pixel data for displaying an image to be rendered in active stereo, the active stereo video data being provided as multiple digital video data streams containing the right channel pixel data and the left channel pixel data; and
an output mechanism electrically communicating with said input mechanism, ***said output mechanism being configured to receive the right channel pixel data and the left channel pixel data and selectively provide the pixel data as a passive stereo video data stream.***

(Emphasis Added).

Applicants respectfully asserts that the cited art is legally deficient for the purpose of rendering claim 21 unpatentable. Specifically, Applicants respectfully assert that the cited art, either individually or in combination, does not teach or reasonably suggest at least the features/limitations emphasized above in claim 21. Therefore, Applicants respectfully assert that claim 21 is in condition for allowance.

Since claims 22 - 24 are dependent claims that incorporate all the features/limitations of claim 21, Applicants respectfully assert that these claims also are in condition for

allowance. Additionally, these claims recite other limitations that can serve as an independent basis for patentability.

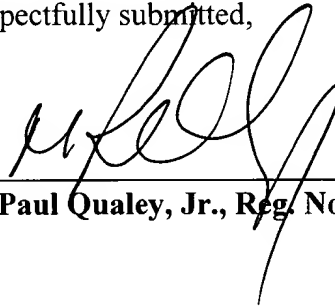
Cited Art of Record

The cited art of record has been considered, but is not believed to affect the patentability of the presently pending claims.

CONCLUSION

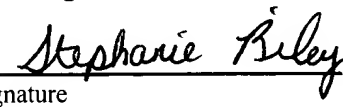
In light of the foregoing amendments and for at least the reasons set forth above, Applicants respectfully submit that all objections and/or rejections have been traversed, rendered moot, and/or accommodated, and that the now pending claims are in condition for allowance. Favorable reconsideration and allowance of the present application and all pending claims are hereby courteously requested. If, in the opinion of the Examiner, a telephonic conference would expedite the examination of this matter, the Examiner is invited to call the undersigned attorney at (770) 933-9500.

Respectfully submitted,



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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Assistant Commissioner for Patents, Washington D.C. 20231, on 5/31/05.


Signature